Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

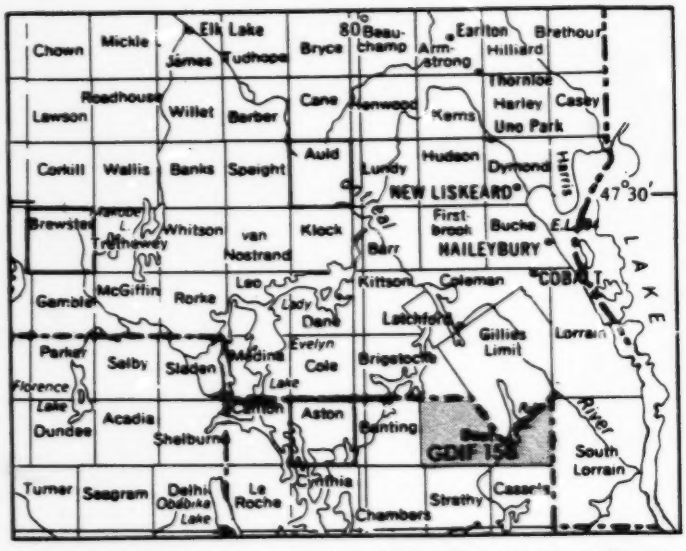
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 31L/4

Mining Claim Map Number M-417

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Best Township, District of Nipissing;
Ontario Geological Survey Geological Data Inventory
Folio 158 , Compiled by the staff of the Resident
Geologist's Office, Cobalt, 37 pages and 4 maps.

Original Compilation by: Patricia Anderson, January 31/84

Date	Page Revised	Revised by

Date	Page Revised	Revised by

BEST TOWNSHIP

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 7
Drill Hole Summary 12
Airborne Geophysical Survey Data 20
Geochemical Survey Data 21
Miscellaneous Data 22
Newspaper Clipping File 23
ODM General Index Search 24
Selected References 30
Notes and Addenda 36

ACCOMPANYING MAPS

Property Location Map - Map 1 - Properties 1-7
- Map 2 - Properties 8-16
- Map 3 - Properties 17-25

Exploration Data Map - Map 4

Map Scale 1:31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm²	0.155 0	square inches	1 square inch	**6.451 6**	cm²
1 m²	10.763 9	square feet	1 square foot	**0.092 903 04**	m²
1 km²	0.386 10	square miles	1 square mile	2.589 988	km²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm³	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm³
1 m³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m³
1 m³	1.308 0	cubic yards	1 cubic yard	0.764 555	m³
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 7 volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	Yes	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.
24	Catologue of Cobalt Area Rock and Mineral Samples, ODMNA OFR 5056	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb. . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
▲ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
▲ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . .Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
▲ mi . . . . . Mica
△ ml . . . . . .Millerite
▲ mo . . . . . .Molybdenite
▲ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
▲ Pd . . . . . .Palladium
△ peat . . . . . .Peat
▲ pent . . . . . .Pentlandite
▲ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
▲ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . .Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur. . . . . .Staurolite
△ stib. . . . . Stibnite
△ st. . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
▲ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
△ zr. . . . . Zircon
▲pw . . . . . powellite
▲S . . . . . Sulphur

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Acana East (Granite Lake, Niemetz-Dunlop, Dunmor, Cheskirk Mines Ltd.)	Ni, Cu - major Pb, Zn - minor	N-0098	MRC 12, p. 197 MDC 2, p. 106 T 11	OGS, 1965, Map P. 321 OGS, 1968, OFR 5016, pp. 44-52 Best Twp. AF, Acana Mines Ltd. Ajax Minerals Ltd. Camsell, Chas Cheskirk Mines ltd. Central Milner Mines Ltd. Columbière Mines Ltd. Huclif Porcupine Mines Ltd. Koza-McLean Niemetz, H. Reef Explorations Ltd.
B.	Acana West (Dunmor, Granite Lake, Cheskirk Mines Ltd., C. Camsell)	Ni, Cu - major Co, Pd, Pt, Ag, Au - minor	N-0097	MRC 12, p. 197 MDC 2, p. 106	OGS 1968, OFR 5016, pp. 44-52 OGS 1965, Map P. 321 Best Twp. AF, Acana Mines Ltd. Ajax Minerals Ltd. Falconbridge Nickel Mines Ltd. Huclif Porcupine Mines Ltd. Keevil Mining Group Koza, McLean Morin, Richard Niemetz, H.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
C.	Best Lake (Rib Lake)	Cu, Zn		MDC 12, p. 209	
D.	Cuniptau (LaPierre)	Si - major	N-0104		OGS 1983, OFR 5439, p. 14 OGS 1965, Map P. 321 OGS OFR 5016, pp. 52-53 Best Twp. AF. Acana Mines Ltd. Ajax Minerals Ltd. Cheskirk Mines Ltd. Danlou Mines Ltd. Huclif Porcupine Mines Ltd. LaPierre, A. past producer
E.	Danlou (Mortimer)	Au - major Ag, Cu - minor	N-0102	MDC 18, p. 27 Au 1	OGS 1965, Map P. 321 OGS 1968, OFR 5016, p. 53 Best Twp. AF, Acana Mines Ltd. Ajax Minerals Ltd. Cheskirk Mines Ltd. Danlou Mines Ltd. LaPierre, A. Mortimer Mines Ltd.
F.	Friday Creek	Ag - major Cu - minor	N-0105	MRC 10, p. 43	OGS 1965, Map P. 321 OGS 1925, AR vol. 34, pt. 3, p. 32

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G.	Guppy, A.	Mo - major Cu - minor	N-0103		OGS 1965, Map P. 321 OGS 1968, OFR 5016, pp. 54-55 Best Twp. AF, Guppy, A. Mortimer Mines Ltd.
H.	McLean, N.	Cu - major	N-0100		OGS 1965, Map P. 321 OGS 1968, OFR 5016, p. 56 Best Twp. AF, McLean, Neil
I.	Mortimer "C"	Mo			OGS 1968, OFR 5016, p. 41 Best Twp. AF, Guppy, A., Mortimer Mines Ltd.
J.	Mountain Lake Occurrence	Ti		MDC 11, p. 456	ODM 1923, I.O.C. Report, p. 212
K.	Niemetz, H.	Cu - major	N-0099		OGS 1965, Map P. 321 OGS 1968, OFR 5016, pp. 65-66 Best Twp. AF, Acana Mines Ltd. Columbière Mines Ltd. Guppy, A. Keevil Mining Group Niemetz, H. Northland Mining Co. Ltd. Sutherland, J.H.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L.	Northland Pyrites Mine (James Lake, Rib Lake, Harris)	S - major Cu, Ni, Co, Au - minor	N-0093	MRC 5, pp. 40-41 MDC 2, p. 119	OGS 1965, Map P. 321 OGS 1968, OFR 5016, pp. 66-70 past producer, 300' shaft ODM 1926, vol. 35, pt. 3, p. 104 OBM 1907, vol. 16, pt. 1, pp. 165-183 OBM, 1908, vol. 17, p. 82 Wilson, 1912, Pyrites in Canada, p. 71, Canada Mines Branch Report No. 167 OGS 1983, OFR 5439, p. 11 Best Twp. AF, Candela Development Co. Ltd. Northland Mining Co. Ltd. Reef Explorations Ltd.
M.	WKT	Co - major Ag, Pb - minor	N-0101		OGS 1965, Map P. 321 OGS 1968, OFR 5016, pp. 71-72 Best Twp. AF, WKT Mining and Exploration Co. Ltd.
N.	Camsell, C.	Cu, Ni, Co, Pt			Best Twp. AF, Acana Mines Ltd. Ajax Minerals Ltd. Camsell, Chas Cheskirk Mines Ltd. Huclif Porcupine Mines Ltd. Koza, McLean Thomson, R.

GDIF FORM NO. 1

BEST TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	Spontaneous Polarization		
1	Acana Mines Ltd. [1952] AFRO# 63-350	52		?	52		?					52					52			
2	Camsell, Chas (Arthur Michaud)				50	50														
3	Koza, McLean				54 60															
4	Huclif Porcupine Mines Ltd. [1957]				57															
5	Ajax Minerals Ltd. [1965] (Cuniptau)	65		20's or 30's								65	65		65		65			
6	Candela Development Co. Ltd. [1952] (Koza and Riley options)	51			51-52	51-52		52									51	51		

GDIF FORM NO. 2

7

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
7	Central Milner Mines (H.G. Miller) [1956]				56															
8	Cheskirk Mines, Ltd. [1953]				53															
9	Cobalt Consolidated Mining Corp. Ltd. [1958] AFRO# 63-884															58				
10	Columbière Mines Ltd. [1972] Meap Contract CG 17				72	72														
11	Danlou Mines Ltd. [1961]			61	61	61		61												
12	Guppy, Alfred					61														

GDIF FORM NO. 2

BEST TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	Mortimer Mines Ltd. (Hopkins, A., Hopkins, P., & Haahti, John O.)			66-71	66-71	66 68 70														
14	LaPierre, A. [1951]					51		51												
15	McLean, Neil [1967]							67												
16	Keevil Mining Group-Niemetz, Dunlop Option [1967] AFRO# 63-2109	67			67							67				67				
17	Morin, Richard			75-76																
18	Neimetz, H. [1970] AFRO # 2-675				68 70															

GDIF FORM NO. 2

10 BEST TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
19	Falconbridge Nickel Mines Ltd., Niemetz Option June - August 1971	71						71	71											
20	Northland Mining Co. Ltd. (Northland Pyrite Mine, Harris Mine)					42	06-10	55												
21	Reef Explorations Ltd., Best Twp. & Gillies Limit 97 (Copper Nickel Group & Northland Pyrite Group) AFRO # 63-853			57	57	57							57							
22	Silanco Mining & Refining Co. Ltd. AFRO # 63-792															56				
23	Sutherland, J.H.				60															

GDIF FORM NO. 2

BEST TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
24	Temagami Mining Co. Ltd. AFRO # 63-700																56			
25	WKT Mining & Exploration Co. Ltd.			64	64															

GDIF FORM NO. 2

11

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1a	Camsell, Chas for Arthur Michaud	No. 1	1950	-	-	0	105		
1b		No. 1	1950	-	-	0	95		
2	Candela Development Co. Ltd.	1	1951	090	-50	31.6	811.6	po, py, cp, IF	Cu, Au
3	Candela Development Co. Ltd.	2	1952	090	-50	4	696	py, cp, po	Cu, Ni, Au
4	Candela Development Co. Ltd.	3	1952	270	-45	40	424	py, po, cp, gn	Au, Cu, Ni
5	Candela Development Co. Ltd.	4	1952	270	-45	8	650	py, po, cp	Au, Cu
6	Candela Development Co. Ltd.	5	1952	110	-45	37	465	py, po, gt, gn	Au, Ni
7	Candela Development Co. Ltd.	6	1952	270	-45	10	178	py, po, cp, mi	Au, Pb, Cu, Zn

GDIF FORM NO. 3

BEST TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
8a	Central Milner Mines	1	1956	270	-45	0	269	cp, po, py	
8b		2	1956	000	-40	0	176	po, cp, py	
9a	Cheskirk Mines Ltd. (map for 9-14 in Acana AF)	1	1953	098	-45	8	140	cp	Au, Ag, Zn, Ni, Cu, Pt
9b		2	1953	076	-45	7	278	cp, py	
10	Cheskirk Mines Ltd.	3	1953	260	-30	7	178	cp, po, py	Cu, Ni, Co, Au, Ag, Pt
11	Cheskirk Mines Ltd.	4	1953	260	-30	10	299.5	cp, po	Cu, Ni, Co, Au, Ag, Pt
12a	Cheskirk Mines Ltd.	5	1953	260	-30	6	492	cp, po, py	Au, Ag, Ni, Cu, Co, Pt
12b		6	1953	225	-45	6	300	cp, po, py	Ag, Cu, Ni
13	Cheskirk Mines Ltd.	7	1953	135	-45	25	404.5	cp, po, py	
14	Cheskirk Mines Ltd.	8	1953	110	-45	6	76.5	cp, py	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
15a	Danlou Mines Ltd.	1	1961	180	-45	8	108.5	py	Au
15b		2	1961	180	-45	0	121	py	Au
15c		3	1961	180	-45	0	119	py	Au
16a	Mortimer Mines Ltd.	71-1	1971	045	-55	0	182.5	py, po, cp	
16b		71-2	1971	045	-51	17	109.1	py, po, cp	
16c		70-4	1970	045	-38	0	30	py, cp, po, mo	
16d		70-5	1970	045	-58	0	58	cp, py, pent	Cu
16e		70-6	1970	135	-45	0	145	cp, pent	Cu, Ni
17a	Mortimer Mines Ltd.	70-1	1970	045	-40	0	45	cp, py	
17b		70-2	1970	045	-55	0	60	cp, py	
17c		69-1	1969	090	-45	0	101	py, cp	
17d		69-2	1969	105	-75	9	102	py, cp	
17e		68-1	1968	105	-27	0	101.9	py, po, cp	Pt, Pd, Au, Ag, Ni, Cu, Co
17f		68-2	1968	090	-45	1	101.1		Pt, Pd, Au, Ag, Ni, Cu, Co
17g		68-3	1968	110	-71.5	0	102.3	cp, hem	Pt, Pd, Au, Ag, Ni, Cu, Co

BEST TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
18	Mortimer Mines Ltd.	70-3	1970	045	-37	0	102	cp, py, pent	
19	Mortimer Mines Ltd.	71-3	1971	290	-48	0	235	po, py, cp	
20	Mortimer Mines Ltd.	72-1	1972	000	-65	65	125		
		72-2	1972	190	-65	78	120		
		72-3	1972	090	-65	74	123	py, cp	Ni, Cu
21	Mortimer Mines Ltd.	70-1	1970	-	-90	60	65	cp, sp, gn	
22a	Mortimer Mines Ltd.	70-2	1970	315	-45	0	35	py, cp, sp, gn	
22b		70-3	1970	045	-45	0	35	py, cp, sp, gn	
23a	Mortimer Mines Ltd.	70-4	1970	180	-45	0	110	py	
23b		70-5	1970	270	-45	30	110	cp, gn, sp	
23c		10-69	1969	090	-55	0	60	pw	
23d		11	1969	090	-55	0	35	mo, cp	

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
24a	Mortimer Mines Ltd.	7-68	1968	180	-55	14	105		
24b		8-69	1969	000	-65	25	35		
24c		9	1969	180	-65	25	35		
25a	Mortimer Mines Ltd.	1	1966	345	-45	0	77	py	
25b		2	1966	255	-45	0	61	py	Cu, Mo Au, Ag
25c		3	1967	225	-45	0	45	py, cp, mo, pw	
26a	Mortimer Mines Ltd.	4	1968	270	-55	19	105	cp, mo, pw	
26b		5	1968	135	-55	25	105		
27	Mortimer Mines Ltd.	5	1968	-	-90	25	35		
28a	Huclif Porcupine Mines Ltd.	1	1957	090	-45	5	126.5		
28b		2	1957	090	-45	3	109.6	py, cp	
29a	Huclif Porcupine Mines Ltd.	3	1957	256	-45	22	247	po, cp, py	
29b		4	1957	256	-45	5	525	py, po, cp	

BEST TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
30	Koza, McLean	KM1	1954	130	-45	7	85	py	
31a	Koza, McLean	KM2	1954	090	-45	20	75	co, cp	
31b		KM3	1954	110	-45	9	74.5	py. cp, po	
31c		KM4	1954	090	-45	8	32		
31d		KM5	1954	110	-45	14	79	cp, po	
31e		KM6	1954	125	-50	17	81	po, py, cp	
32a	Koza, McLean	KM7	1954	080	-45	9	364	po, py, cp	
32b		KM8	1954	080	-45	8	256.8		
33	Koza, McLean	KM9	1954	090	-45	34	351		
34a	Koza, McLean	1	1960	270	-40	0	121.2		
34b		2	no logs						
35a	Koza-McLean	3	no logs						
35b		4	no logs						
36a	Koza-McLean	5	no logs						

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
36b	Koza-McLean	6	no logs						
37	Koza-McLean	7	no logs						
38a	Columbière Mines Ltd.	1	1972	286	-45	12	324	mag, py, cp, po	Cu, Ni
38b		2	1972	286	-45	8	294	mag, py, cp, po	Cu, Ni
38c		3	1972	106	-45	11	208	py, po, cp	Cu, Ni
38d		4	1972	106	-45	5	176	py, po, cp	
39a	Keevil Mining Group	BES-1	1967	075	-65	0	50	cp, py	
39b		BES-2	1967	100	-45	0	104	cp	
40	Keevil Mining Group	BES-3	1967	280	-50	0	105	cp, py	
41	Keevil Mining Group	BES-4	1967	300	-45	4	200		
42	Niemetz, H.	5	1968	110	-58	2	55	cp, sp	

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
43a	Niemetz, H.	6	1968	100	-55	0	145	cp, py, po	
43b		7	1968	090	-55	0	103	py, po, cp	
43c		8	1968	090	-65	0	61	py, po, cp, mag	
44	Niemetz, H.	9	1970	070	-45	5	105	py, cp, po, Ni	
45a	Reef Explorations Ltd.	1	1957	135	-45	26	200	py, po, cp	
45b		2	1957	135	-45	9.5	201	py, cp, po	
45c		3	1957	135	-45	7	205	cp, po, py	Cu, Ni
45d		4	1957	135	-45	5	206	po, cp, py	Cu, Ni
45e		5	1957	135	-45	13	299		
45f		6	1957	135	-45	5	205		
45g		7	1957	135	-45	8	460	cp, po, py	
45h		8	1957	135	-45	21	259	cp, po, py	Cu, Ni
46	Sutherland, J.H.	2	1960	?	-45	0	111	cp, py, po	

20 BEST TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of January 31, 1984				

GDIF FORM NO. 4

BEST TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of January 31, 1984			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of		January 31, 1984	

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on file in Cobalt office

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt

Northern Miner - December 13, 1956 & January 17, 1957
reference: MDC 2 p. 116

BEST TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched: Acana Mines Ltd.
Ajax Minerals Ltd.
Best Township
Camsell, Chas
Candela Development Co. Ltd.
Central Milner Mines
Cheskirk Mines Ltd.
Cobalt Consolidated Mining Corp. Ltd.

Index Volume	Listing:	Report Volume	Part	Page
1	Harris Pyrites Mine			
	See Northland pyrites m.			
	James Lake Pyrites Mine			
	See Northland Mg. Co.			
	Northland Pyrite Mine, Rib and James Lake, Nip			
	Accidents at	*18	1	65,69
		*19	1	70,75
	Bucket tip of, diagram and notes	*16	1	188-190
	Capital and date of charter	*20	1	49
	Leased to C.B. Stranahan	*20	1	33
	Notes by Fraleck	*16	1	165
	Operating (1906)	*16	1	74
	(1907)	*17		27
	(1908)	*18	1	32
	(1909)	*19	1	32
	Overlapping lenses in	*16	1	183
	Photos	*16	1	166
	Work at (1907)	*17		82
	(1908)	*18	1	132
	(1909)	*19	1	124
	(1910)	*20	1	105
	Northland Mining Co.			
	Capital and date of charter	*16	1	28
		*16	2	173
	Pyrite mining, Timagami reg.	*16	1	21
		*17		27, 82

ODM GENERAL INDEX SEARCH

Words searched: Columbière Mines Ltd.
Cuniptau
Danlou Mines Ltd.
Dunlop
Dunmor
Falconbridge Nickel Mines Ltd.
Friday Creek
Friday Lake

Index Volume	Listing:	Report Volume	Part	Page
1	Rib Lake, S.E. of Latchford			
	See also Northland Pyrite Mine			
	Course of	*14	2	35
		*16	2	37
		*19	2	118
	Iron pyrite mining	*16	1	21, 200
		*17		60
		*19	1	32
		*20	1	33
	Map showing position, back of	*16	2	37
		*19	2	117
	Stranahan, C.B.	* 7		134
		*10		107
		*20	1	33
2	Best Lake, Best Twp.			
	Algoman rocks, see map 35c with	*35	3	
	Best Twp., Nip.			
	See also Mountain l.			
	See also Thieving Bear l.			
	Maps, geological:			
	See map 34b with	*34	3	
	35c with	*35	3	
	Rocks, Algoman	*35	3	89
	Animikean	*35	3	91, 92
	Keewatin	*35	3	85, 87
	Keweenawan notes and photos	*35	3	98, 99
	Camsell, Charles			
	Acknowledgements to	*I.O.[1]		122
	Bibliographic refs.	*29	1	76

BEST TOWNSHIP

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: Granite Lake
Guppy, Alfred
Haahti, John O.
Harris Mine
Hopkins A.
Hopkins P.
Huclif Porcupine Mines Ltd.
James Lake

Index Volume	Listing:	Report Volume	Part	Page
2	Camsell, Charles			
	Ref. to surveys by, St. Joseph Lake area	*31	8	2
	Friday Creek, Friday Lake			
	Apatite	*34	3	22
	Rocks on and near	*34	3	27
	diabase, contact with quartzite	*34	3	23
	See also map 34b with	*34	3	
	Silver claim	*34	3	32
	Granite Lake, Best Twp.			
	Animikean formation	*35	3	91
	See also map 35c with	*35	3	
	James Lake, Best Twp.			
	Pyrite. See Northland g.m.			
	Rocks	*35	3	85, 88
	porphyry, analysis	*35	3	90
	See also map 35c with	*35	3	
	Mountain Lake, S. of Latchford, Gillies Limit			
	Iron claim, notes	*I.O.		212
	Rib Lake, Best Twp. and Gillies Limit			
	Rocks. See map 34b with	*34	3	
	Thieving Bear Lake, Best Twp.			
	Granite and syenite. See map 35c with	*35	3	
	Quartz vein in syenite, notes and photo	*35	3	100, 101

ODM GENERAL INDEX SEARCH

Words searched: Keevil Mining Group
Koza
LaPierre, A.
McLean, Neil
Michaud, Arthur
Morin, Richard
Mortimer Mines Ltd.
Mountain Lake
Niemetz, Herbert
Northland Mining Co. Ltd.
Northland Pyrite Mine
Reef Explorations Ltd.
Rib Lake
Riley Group
Silanco Mining & Refining Co. Ltd.

Index Volume	Listing:	Report Volume	Part	Page
3	Dunmor Mg. Syndicate Ltd.			
	Incorporated	47	1	50
4	Central Milner Mines Ltd.			
	Incorporated	57	1	46
	Cheskirk Mines Ltd.			
	Incorporated	55	1	47
	Columbière Mines Ltd.			
	Incorporated	52	1	43
	Huclif Porcupine Mines Ltd.			
	Incorporated	55	1	50
	James Lake, N. of Timagami			
	Sulphide deposits	51	6	25
	Silanco Mining and Refining Co. Ltd.			
	See also Agaunico s.m.			
	Cobalt Lake s.m.			
	Silanco Mg. and Smelting Corp.			
	Capital; officers; operations:			
	(1946)	56	2	107-109
	(1947)	57	2	108, 109
	(1948)	58	2	96, 97
	(1949)	59	2	96
	Incorporated	55	1	53
	Smelter sold	59	2	99
	Work by Cochrane s.m.	56	2	110

ODM GENERAL INDEX SEARCH

Words searched: Stranahan, C.B.
Sutherland, J.H.
Temagami Mining Co. Ltd.
Thieving Bear Lake
WKT Mining & Exploration Co. Ltd.

Index Volume	Listing	Report Volume	Part	Page
5	Candela Development Co.			
	Licensed	61	1	49
	Cobalt Consolidated Mining Corp. Ltd.			
	See also Agaunico s.m.			
	Capital; officers; operations:			
	(1953)	63	1	128-132
	(1954)	64	2	124-127
	Fires at mine (1953)	63	1	79
	(1954)	64	1	78
	Incorporated	63	1	57
	Mill acquired by Coballoy Mines and Refiners	64	2	124
	Silanco Mining and Refining Co. Ltd.			
	Capital; officers; operations:			
	(1950)	60	2	97
	(1951)	61	2	104-106
	(1952)	62	2	116, 117
	Property acquired by Cobalt Consolidated Mining Corp.	63	2	128
	leased by Penn-Cobalt Mines	61	2	102
	Silanco Mining and Smelting Corp. Ltd.			
	Succeeded by Silanco Mining and Refining Co.	60	2	97
	Temagami Mining Co. Ltd.			
	Incorporated	62	1	59
		64	1	58

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

Index Volume	Listing	Report Volume	Part	Page
6	Cobalt Consolidated Mining Corp. Ltd.			
	See also Agnico Mines			
	Capital; officers; operations:			
	(1955)	65	2	126-129
	(1956)	66	2	125-128
	Fire at plant	66	1	57
	Mill sold to Coballoy Mines	65	2	125
	Name changed	67	2	126
	Silanco Mining and Refining Co. Ltd.			
	Name changed	67	1	35
	Property acquired by Agnico Mines	67	2	126
	by Cobalt Consol. Corp.	65	2	126
7	Cheskirk Mines Ltd.			
	Showing Best Twp., report on (1957)	MRC 2		106
	Reef Explorations Ltd.			
	Nickel-copper showing, Best Twp., report on (1957)	MRC 2		116
	Silanco Mining and Refining Co. Ltd.			
	Property acquired by Agnico Mines	70		110

* out of print

1 Report of the Iron Ore Committee

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D. et al	1971	Sudbury-Cobalt Sheet; Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming Districts, Ontario	ODMNA Map 2188	1:253 440
Card, K.D., Lumbers, S.B.	1977	Sudbury-Cobalt, NTS 31L/W, 31M/SW, 41I, 41P/S, Sudbury & AL 5 Districts, Ontario	OGS Map 2361	1:253 440
		GEOPHYSICAL MAPS		
	1965	Timagami, Ontario, NTS 31M/4, aeromagnetic	GSC Geophysical Paper 1491 GSC Map 1491G	 1:63 360
GSC-OGS	1978	Airborne gamma-ray spectrometry maps and profiles, Ville Marie Sheet	MNR Maps 80411-80425	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geologicaal Map, Temagami-Englehart Area, Districts of Timiskaming, Nipissing and Sudbury	OGS Map P. 2296	1:100 000
Gupta, V.K., Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS	OGS MP 100	No. 26 pp. 160-164

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario: A Progress Report; in J. Wood et al, editors, Summary of Field Work, 1982 by the OGS	OGS MP 106	No. 24 pp. 165-167
Mansinha, L., Wilkinson, D.A.	1983	Interpretation of Gravity Data from New Liskeard, Ontario; Ontario Geoscience Research Grant Program, Grant No. 109	OGS OFR 5440	
		Aeromagnetic	GSC 7075G	1:253 440
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84 and134	1:500 000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1951	Haileybury, Ontario, topographic	NTS 31M/SW	1:126 720
	1973	Timagami, Ontario, topographic	NTS 31M/4 West	1:50 000
	1976	Ville-Marie, Quebec & Ontario, topographic	NTS 31/M	1:250 000
Roed, M.A.	1979	Haileybury, NTS 31M/SW	NOEGTS 90 OGS Map 5024	1:100 000
	1982	Ontario Basic Map Sheets	MNR Map 20 17 5800 52200 20 17 5800 52100 20 17 5900 52100 20 17 5900 52200	1:20 000
Veillette, J.J.	1983	Temagami, Ontario, NTS 31M/4, surficial geology	GSC Open File 949	1:50 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
		Best Township Claim Map	MNR Plan No. M-417	1" = 40 ch.
		MINERAL POTENTIAL		
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet and part of Ville Marie Sheet, NTS 41P, 31M/W, Districts of Sudbury, Timiskaming and Nipissing	OGS Map P. 1514	1:250 000
	1977	Nickel Deposits of Ontario, East Central Sheet	OGS Map P. 1062	1:1 013 760
Vos, M.A., Smith, V.	1983	Industrial Minerals of Northern Ontario-Supplement 2	OGS OFR 5439	
	1983	Industrial Minerals of Ontario	OGS Map P. 2591	1:500 000
		Iron Deposits of Ontario, East Central Sheet	OGS Map P. 1043	1:1 013 760
		GEOCHEMICAL		
Durry, C.W.	1918	Cobalt; Its Occurrence, Metallurgy, Uses & Alloys	OBM Annual Report, 1918, vol. 27, pt. 3	

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing, Ontario, and of the County of Pontiac, Quebec	*GSC Summary Report; 1897 (1898), vol.X, pt. 1 *GSC Map 599	
Miller, W.G.	1901	Iron Ores of the Nipissing District	*OBM Annual Report, 1901, vol. 10 OBM Map 10a	pp. 160-180 1:15 840
Miller, W.G.	1904	Cobalt-Nickel-Arsenides and Silver	*OBM Annual Report, 1904, vol. 13, pt. 1	pp. 96-103
Miller, W.G.	1906	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming, Ontario	*ODM Annual Report, 1905, vol. 14, pt. 2	
Barlow, A.E.	1908	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing, Ontario, and the County of Pontiac, Quebec	*GSC Separate Report 962 *GSC Map 944	
Todd, E.W.	1925	The Matabitchuan Area, Timiskaming and Nipissing Districts, Ontario	ODM Annual Report 1925, vol. 34, pt. 3 ODM Map 34b	 1:63 360

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Todd, E.W.	1926	Anima-Nipissing Lake Area, Timiskaming & Nipissing Districts, Ontario	ODM Annual Report, 1926, vol. 35, pt. 3 ODM Map 35c	pp. 79-104 1:63 360
Roscoe, S.M.	1957	Geology and Uranium Deposits Quirke Lake-Elliot Lake, Blind River Area, Ontario (preliminary Report)	GSC Paper 56-1	
Thomson, R., Savage, W.S.	1965	Haileybury Sheet, Districts of Timiskaming & Nipissing, Ontario	ODM Map P. 321	1:126 720
Thomson, R.	1968	Geology adjacent to Highway 11 in Best Township & south part of Gillies Limit Township, Districts of Timiskaming and Nipissing, Ontario	ODM OFR 5016	
Roscoe, S.M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	GSC Paper 68-40	
Wood, J.	1979	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1979 by the OGS	OGS MP 90	No. 18 pp. 78-81
Wood, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1980 by the OGS	OGS MP 96	No. 14 pp. 61-63
Colvine, A.C.	1981	Reconnaisance of the Lorrain Formation, Northern Cobalt Embayment; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS.	OGS MP 100	No. 29 pp. 187-189

BEST TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Ferguson, S.A.	1942	Banded Iron Formation of the Temagami Area, Ontario	MA. Thesis University of Toronto, Toronto, Ont.	
Carlson, H.D.	1950	Intrusive rocks of Temagami District, Ontario	MA. Sc. Thesis University of Toronto, Toronto, Ont.	
		* out of print		

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the map, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present producers.

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	206	123	38-51
	206	124	112-118, 123-126
	205	125	103-111, 113-116
	226	126	130-145
	205	127	105-119
1958	051	4710	163-167
	050	4710	112-121
	052	4709	21-27
	050	4709	142-144, 147-151
	052	4708	74-82, 83-87
	052	4707	135-148
1970	41	4710	127-132
	41	4709	211-218, 224-226
	45	4708	91-99, 101-105
	45	4707	39-52
1977	5	4710	159-163
	6	4709	40-46, 58-60
	6	4708	111-119
	7	4707	60-73

GDIF FORM NO.10

NOTES AND ADDENDA

OPEN FILE REPORT 5056 - Catalogue of Cobalt and Area Rock and Mineral Samples - Best Township

2139 - Pierre Silica showing - silica deposit - analysis C-7

2896 - Acana Mine - sulfides - massive po, minor cp

2897 - Acana Mine - massive sulfides - po, cp - nickel bearing

2898 - Claim T 31705 - massive - minor alteration

4065 - Acana Mines - DH 1957-3 at 48' - olivine diabase

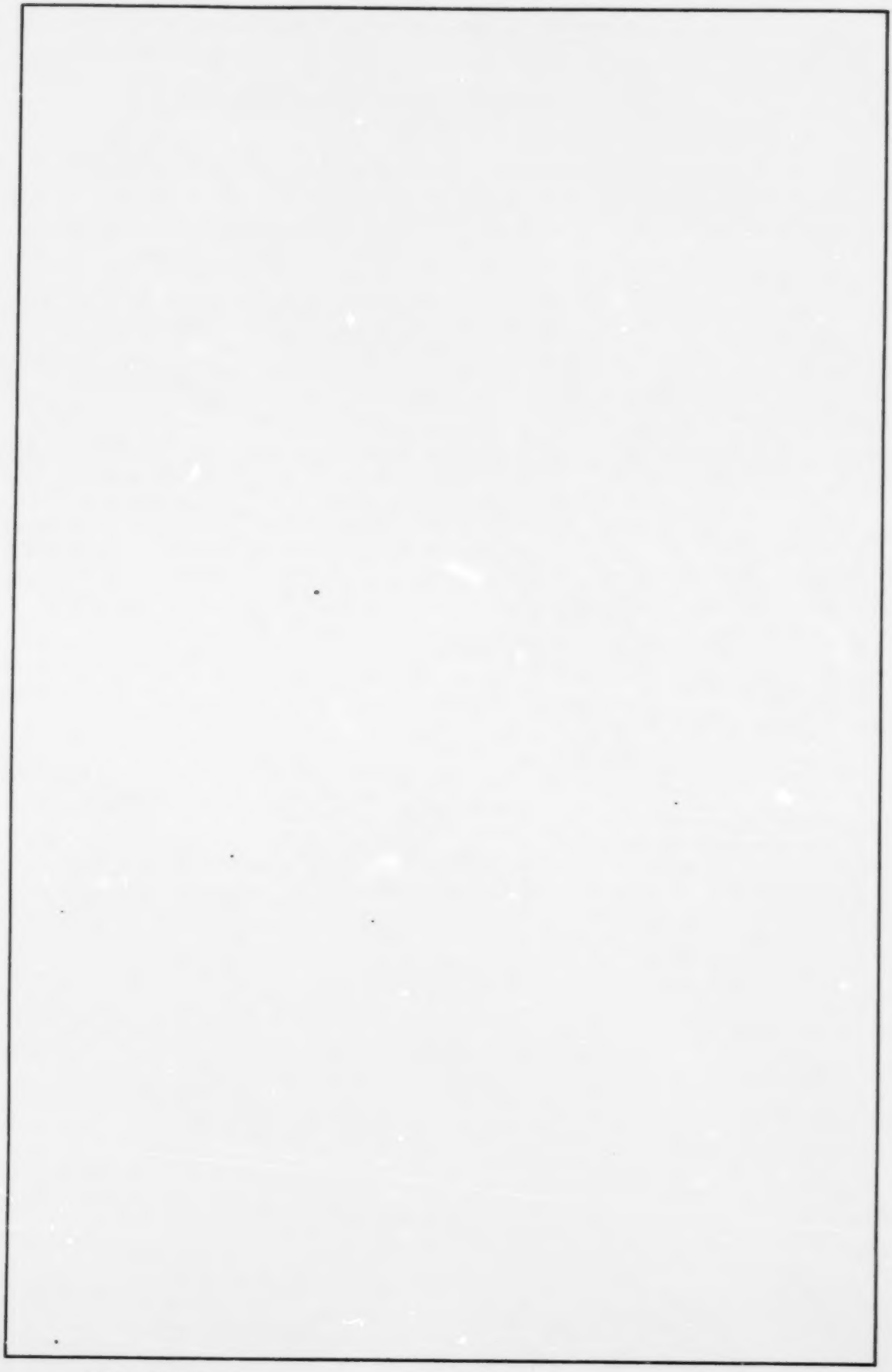
6269 - Guppy T 50636 - Mo in quartz vein, powellite, axinite

6849 - Reef Explorations - hb porphyry

6850 - Reef Explorations - hb porphyry

6851 - Reef Explorations - greenstone

6852 - Reef Explorations - lamprophyre



BEST TOWNSHIP

79°50'

Breeches Lake

Mountain Lake

Goethe L

Snare

Thieving Bear Lake

James

Rib

Lake

Granite

Creek

Block Duck

47°10'

6

5

7

6

3

4

4

DIST NOR

Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
PROPERTY LOCATION MAP
(Map 1 of 4 .)
to accompany GEOLOGICAL DATA
INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1 31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Goethe L.

Thieving Bear Lake

James

Rib Lake

47°10'

Granite Lake

Black Duck Lake

Net Lake

Duncan L.

Net

Petraut L.

PIPELINE (945) (2 LINES)

CNT NOR

79°50'

(Map 1 of 4)

to accompany GEOLOGICAL DATA
INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1 31 680

Mile 0 5 0 0 5 1 Mile

Kilometre 0 5 0 0 5 1 Kilometre

79°48'

47°10'

79°40'

James

Lake

Lake

Granite

Lake

McNat

Lake

Friday

Duncan L

Net

Petraut

L

Myth

L

ONT NOR

PIPELINE (2 LINES)

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages

Small area of exploration data.

79°50'

Breeches Lake

9

12

James

Rib

Lake

10

16

12

Granite

16

Thieving Bear Lake

Creek

47°10'

Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

(Map 2 of 4)

to accompany GEOLOGICAL DATA

INVENTORY FOLIO 158

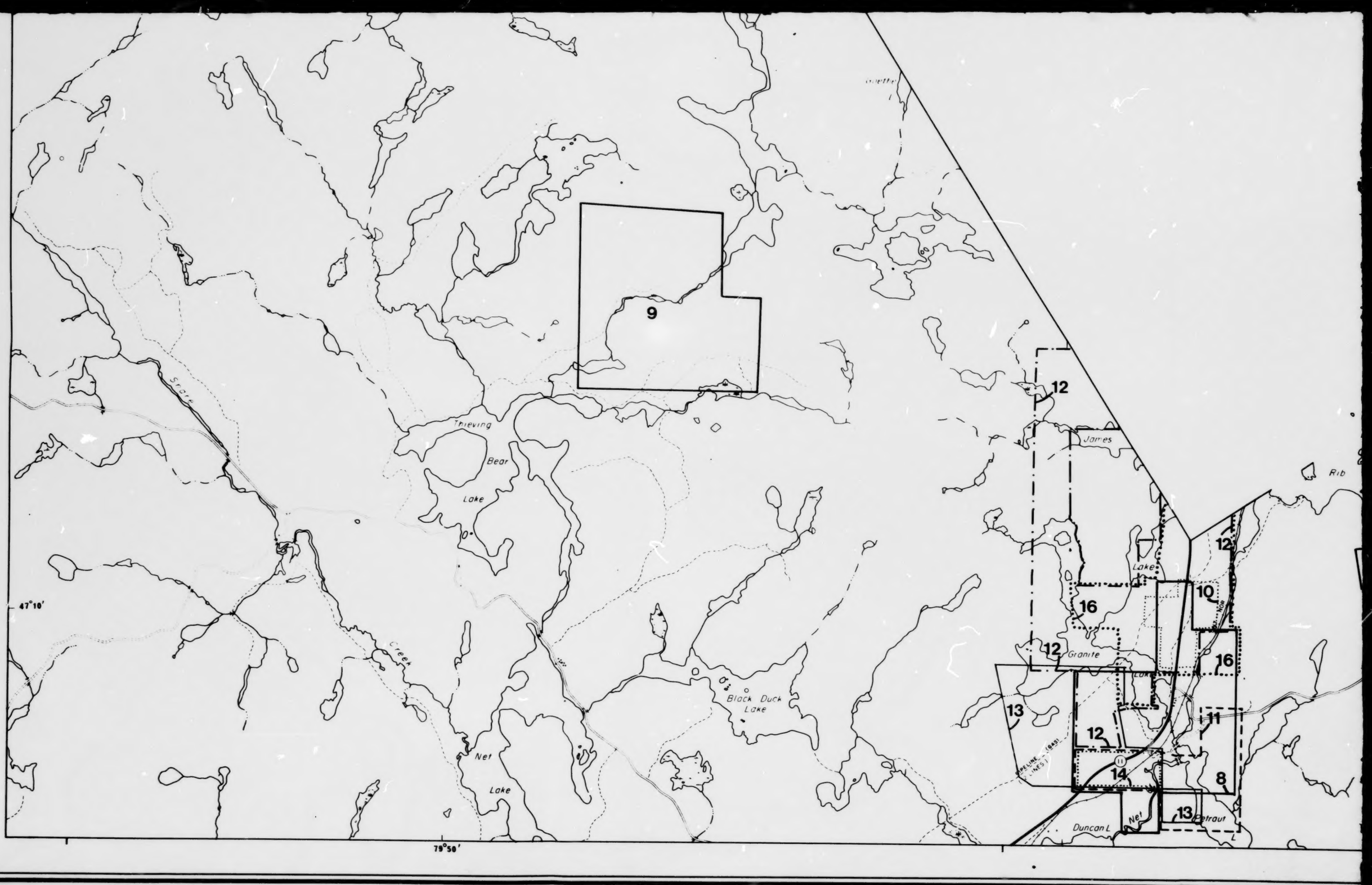
BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1 31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


9
12
James
Rib
Lake
12
16
10
12
Granite
16
13
11
12
14
8
13
Petraut
Duncan L
Net
L
Thieving
Bear
Lake
Black Duck
Lake
Net
Lake
Creek
47°10'
79°50'

(Map 2 of 4 .)
to accompany GEOLOGICAL DATA
INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

79°40'

47°10'

79°50'

James

Lake

Granite

Lake

McNab

Lake

Friday Cr

Myth L

Duncan L

Net

Petraut L

12 16 10 15 13 11 14 8

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages

Small area of exploration data.

79°50'

24

Goethe

22

James

Rib

21

20

18,19

Lake

23

18,19

20

21

Granite

Lake

Thieving

Bear

Lake

Steele

Creek

47° 10'

Ministry of Natural Resources

Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

(Map 3 of 4 .)

to accompany GEOLOGICAL DATA

INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Goethe L.

22

James

Rib

21

20

18,19

Lake

23

18,19

20

21

Lake

Thieving

Bear

Lake

47°10'

Black Duck Lake

Net

Lake

17

Duncan L.

Net

Petraut

79°50'

PROPERTY LOCATION MAP

(Map 3 of 4 .)

to accompany GEOLOGICAL DATA

INVENTORY FOLIO 158

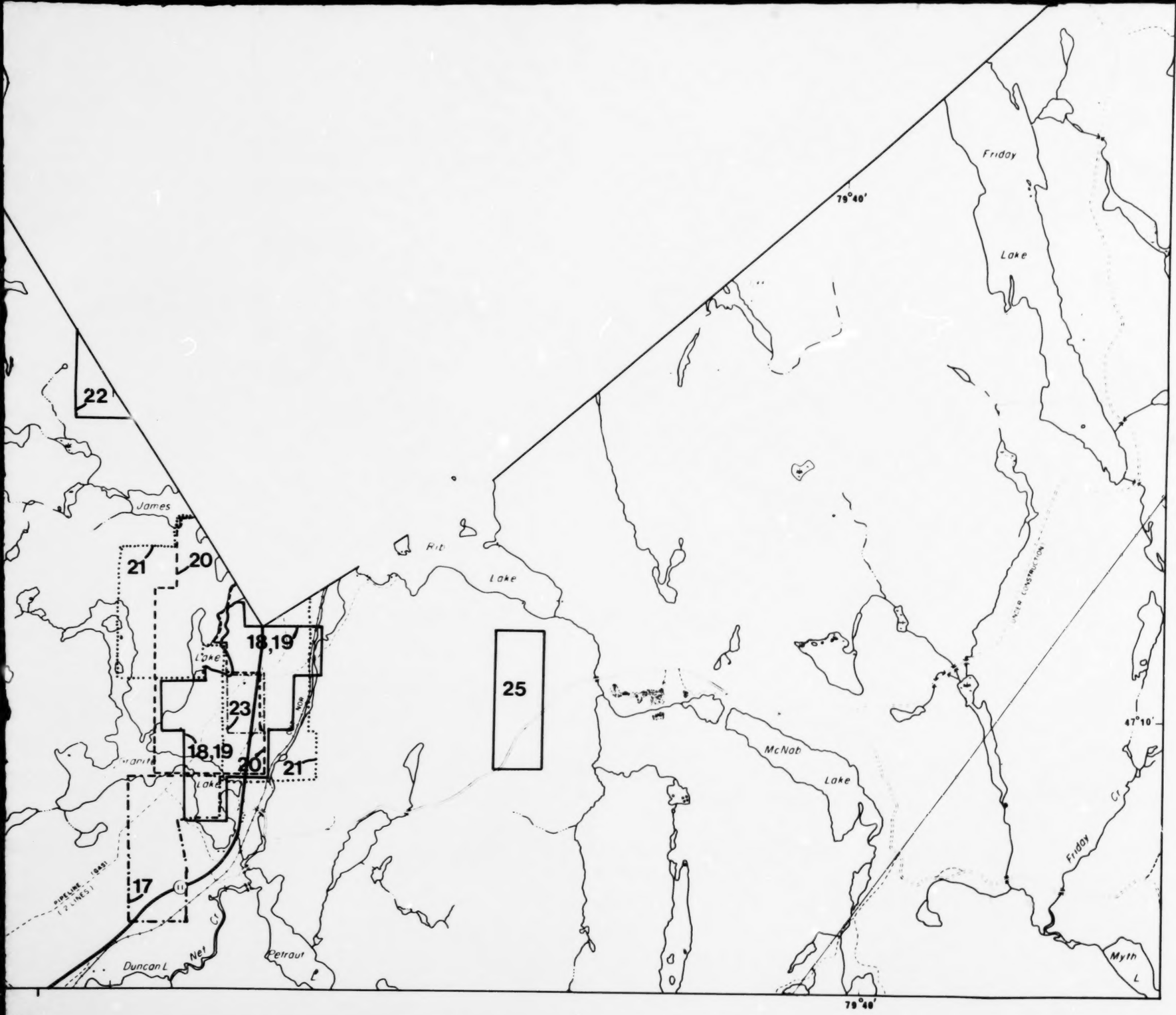
BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages

Small area of exploration data.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

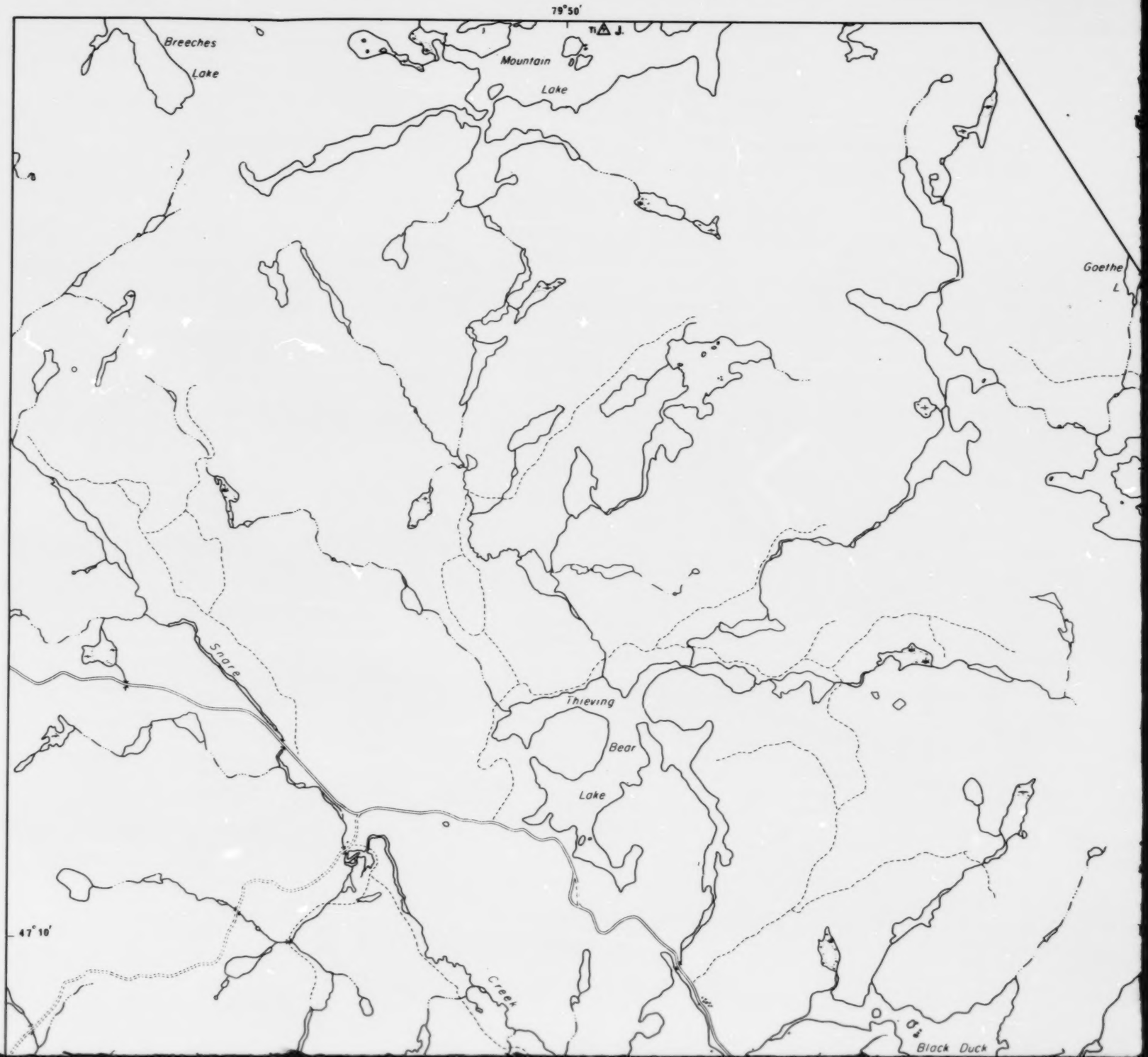
- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number
- ☐

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☐ IP — Induced Polarization Anomaly
- ☒ S — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☒ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☐

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☐ Rock quarry



79°50'

Mountain

Lake

Goethe L

Thieving

Bear

Lake

James

Rib

Lake

Granite

Lake

McNab

Lake

Creek

Black Duck Lake

79°40'

Cliff L.

Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
Map to Accompany GEOLOGICAL DATA
INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 4 of 4.)

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map.

Area of geochemical sampling, with reference number

Age dating material sampling site, with reference number

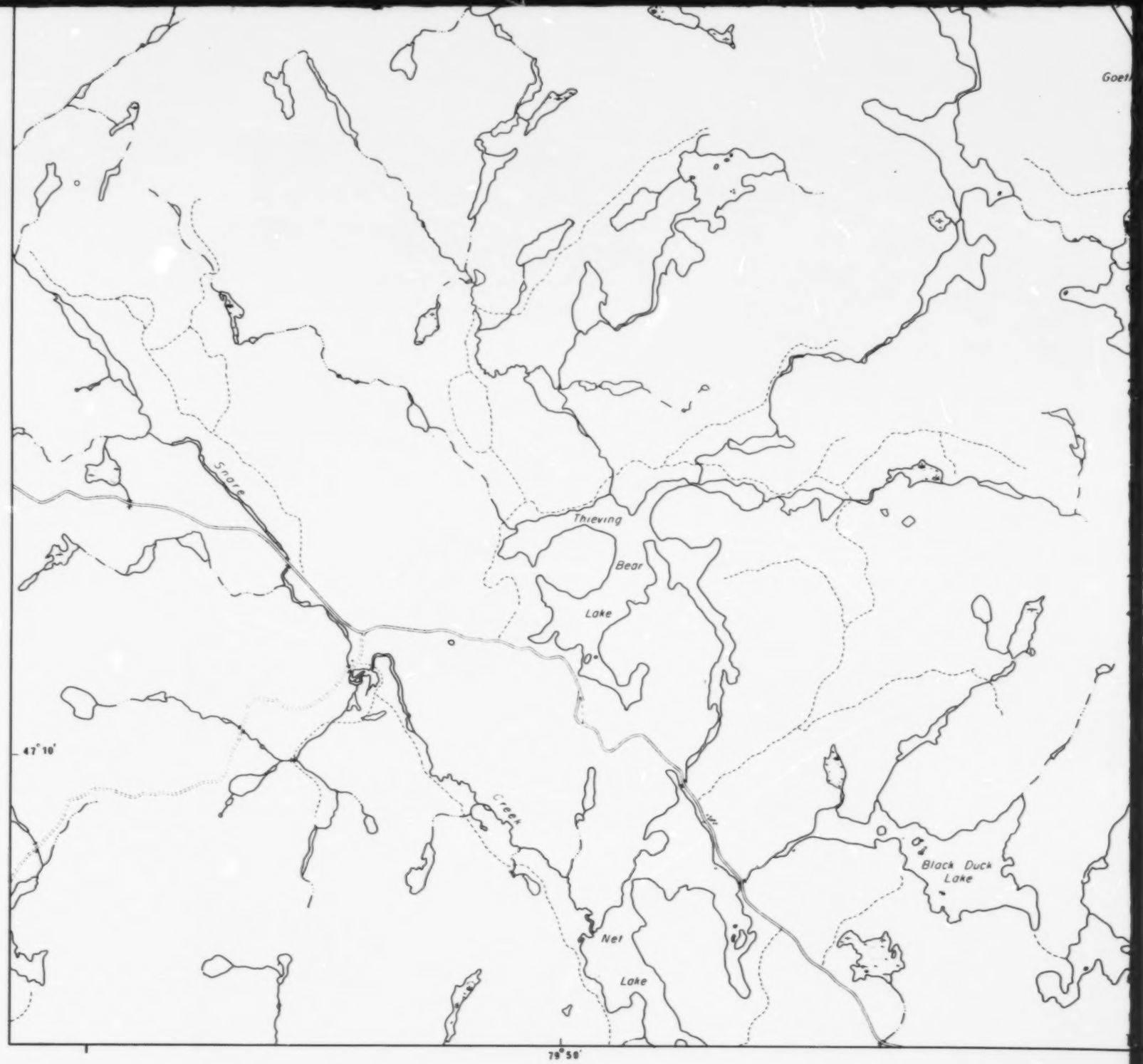
GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- S — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Goethe L.

Thieving

Bear Lake

Creek

Net Lake

Black Duck Lake

James

Granite Lake

Duncan L.

Net Cr.

Petraut L.

Rib Lake

Cliff L.

McNab Lake

79°50'

79°40'

INVENTORY FOLIO 158

BEST TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 4 of 4.)

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number